IN THE CLAIMS

The pending claims, including new claims, are as follows:

Claims 1-22 (Canceled)

23. (New) A method for converting a gas turbine plant, which has been designed for an operation with air as a working medium, to operate with a carbon dioxide/water mixture as a working medium, said method comprising the steps of:

providing a gas turbine plant including a compressor, a combustion chamber, a turbine and at least one heat sink, said gas turbine plant being designed for an operation with air as a working medium;

wherein the compressor and the turbine each have a rotor and a casing surrounding the rotor thereby defining annular flow ducts for the working medium;

wherein running blades are arranged on the rotor, and guiding vanes are arranged in the flow ducts; and

adapting in at least one of the compressor and the turbine the flow ducts to accommodate the different expansion behavior of the carbon dioxide/water mixture as the working medium.

24. (New) The method as claimed in claim 23, wherein the flow ducts are adapted by reducing free flow cross-sections thereof on a high-pressure side of at least one selected from the group consisting of the compressor and the turbine.

25. (New) The method as claimed in claim 24, wherein the free flow cross-sections of the flow ducts are reduced by blocking some sectors between neighboring guiding vanes.

26. (New) The method as claimed in claim 24, wherein the free flow cross-sections of the flow ducts are reduced by inserting annular flow obstacles into said flow ducts.

27. (New) The method as claimed in claim 24, wherein the free flow cross-sections of the flow ducts are reduced by providing adjustable guiding vanes and adjusting said guiding vanes.

28. (New) The method as claimed in claim 23, wherein:

means are provided for condensing the working medium by discharging heat; and

the compressor is replaced by a pump.

29. (New) A method for converting a gas turbine plant, which has been designed for an operation with air as a working medium, to operate with a carbon dioxide/water mixture as a working medium, said method comprising the steps of:

providing a gas turbine plant including a compressor, a combustion chamber, a turbine and at least one heat sink, said gas turbine plant being designed for an operation with air as a working medium;

wherein the compressor and the turbine each have a rotor and a casing surrounding the rotor thereby defining annular flow ducts for the working medium;

wherein running blades are arranged on the rotor, and guiding vanes are arranged in the flow ducts; and

adapting in at least one of the compressor and the turbine the running blades to accommodate a different axial velocity of the carbon dioxide/water mixture as the working medium.